

## **Follow-up phone con w/ Kirsten Brown, DRMS**

08/21/15 approx 9:00 am pdt

She disclosed that she had not been much involved in the Gold King much last year because (b) (6)

### OSM involvement

She worked with Mike Dunn with OSM in developing the 3D model and they visited the site as a post model set-up. She assisted with model set up and software for 3D Model. Also provided assistance on locating maps in the Mine Map Repository. They shared wetland treatment concepts. They were not really involved in the water set-up but had suggested drilling into the mine pool to determine mine water levels for the model. She said that the Mike was not involved at the Gold King Mine.

### Drilling

She stated that there is a drill pad at level 1 which could have staged a drill rig but noted that it would be tricky to hit the tunnel (mine pool and would likely require many attempts to hit the target). She also noted that it would be also very challenging if you struck water and you were below the mine pool. Also very challenging is getting the drill rig to the site because it would require the re-construction of an old drill road. She noted that some drilling units can be air-lifted in but that it would require considerable resources and even then striking the target is very challenging as noted above.

### Flow Rates

She noted that the adit flow measurements were collected almost monthly when DRMS was collecting them because they had a person that was avalanche trained and would collect data frequently, including during the winter, when conditions allowed access. Collection frequency was decreased later and EPA took over the program as other resources dwindled. She wasn't sure if recent flow rates from the GK were discussed at the ARSG but noted that it was a limited data set.

### GK7 Work

Her memory was that there was initial consensus with the ASRG because everyone wanted to see the work get done on the remaining headwalls. Later as the work was proceeding there was frustration raised by Steve Herron(miner) but she thought that it was politically motivated. She did not review or comment on the GK Workplan and wasn't sure if Al or Bruce did.

### ARSG

- One of the most active stakeholder groups
- Members include the former Water Quality Control Commissioner, miners, citizens, agencies, etc.
- Some members worked in the mine and were operators that constructed bulkheads in Sunnyside Mine

### Water Level monitors

She affirmed that there were pressure valves with pressure gages installed in the bulkheads at other portals and the AT but after the gages reached equilibrium they were abandoned by grouting the valves closed because the gages would inevitably corrode over time and not be reliable.